

**What is claimed is:**

1. A brew head assembly of a coffee maker comprising: a slide  
assembly, a sealing assembly, and a pop-up and roll-back  
5 assembly, operatively linked to sustain pressure up to four  
(4) bars.
2. The brew head of claim 1, wherein the slide assembly comprises  
a lever, slider part, slider spring, and a lid frame.  
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3. The slide assembly head as set forth in Figure 2.
4. The brew head of claim 1, wherein the sealing assembly  
comprises an "O" ring, a water spreader top, a seal ring,  
15 a water spreader bottom, a metal pod filter, a coffee collector,  
and a brew head bottom.
5. The sealing assembly as set forth in Figure 3.
- 20 6. The brew head of claim 4, wherein the shape of the seal ring  
is round with a two-flap end capable of withstanding pressure  
up to four (4) bars.
7. The sealing assembly of claim 6, wherever the seal ring is  
25 made of silicone rubber.
8. The brew head of claim 4, wherein the metal pod filter creates  
a back pressure for a little rise up of the sealing assembly.
- 30 9. The brew head of claim 1, wherein the pop-up and roll-back  
assembly comprises a lift platform, a lift platform spring,  
a hinge pins, a hinge spring, and a brew head base.
- 35 10. The pop-up and roll-back assembly as set forth in Figure  
1.

11. The brew head of claim 9, wherein the lift platform comprises at least two legs for pop-up action.
12. The brew head of claim 9, wherein the roll up of the lid mount is by the hinge spring.
13. A method for one-hand operation on the locking of a coffee maker comprising steps of:
  - a) Using one hand to put the lever forward to release the lock which is controlled by two parts, the slider and the three mounts on the brew base wherein the back-and-forth movement of the slide will produce the action of locking and releasing;
  - b) Moving the lever forward, the push rod that assembled on the slider will push the slider forward so the brew head is released;
  - c) Putting back the lever, the push rod will put back the slider so the brew head is locked; and
  - d) After releasing the lock, the lift platform will pop up by the lift platform spring and the lid mount roll-up by the hinge spring.
14. The method of claim 13, wherein the slider comprises at least three legs.
15. The method of claim 13, wherein the counter side holes for locking are on the brew base.